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[redacted]

STANDING OPERATING PROCEDURE
NUMBER 50-3055-25

6 October 1966

25X1A2g

FUNCTIONAL CHECK FLIGHTS IN [redacted] AIRCRAFT

1. PURPOSE: This procedure establishes criteria and prescribes policy governing the performance of functional check flights performed in [redacted] aircraft.

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2. SCOPE: This procedure applies to all functional check flights of [redacted] aircraft assigned to this Detachment.

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3. PROCEDURE:

a. Functional Check Flight Checklists and Worksheets will be developed by the DCM and coordinated with DCOE.

b. The provisions of Technical Order 1-1-300 and local [redacted] weather minimum regulations will be observed during functional check flights in the dual place trainer.

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c. Functional check flights in other [redacted] aircraft will be performed in accordance with Technical Order 1-1-300, local [redacted] weather minimum regulations and the following added restrictions:

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(1) Functional check flights to determine flight characteristics, basic aircraft performance, engine performance and navigation equipment operation will be flown during daylight hours and during VFR or VFR on Top conditions. When these flights are conducted during VFR on Top conditions, existing and forecast terminal weather must be with a minimum ceiling of 20,000 MSL and forward visibility of not less than 10 miles to determine airworthiness IAW T.O. 1-1-300 prior to proceeding to VFR top conditions.

(2) Functional check flights to determine flight characteristics and proper engine operation will be restricted to 50,000 pounds maximum take-off fuel load.

(3) Maximum flight profile distance during functional check flights of high speed engine or inlet operation will not exceed single engine cruise radius from home station.

Supersedes SOP 50-3055-25, 31 Jan 65 as amended

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(4) Maximum climb speed during inlet functional check flights will not exceed 400 KEAS. Normal climb limits will apply for other check flights.

(5) Maximum speed during functional check flights for high speed engine or inlet operation will not exceed [redacted] 25X1D0c This speed will be maintained for approximately 1 minute to determine proper inlet operation. Remainder of flight will be flown at maximum of [redacted] 25X1D0c

(6) Air refueling, to any desired gross weight, is authorized on functional check flights after proper flight characteristics and engine operation are confirmed. 25X1D0c

(7) Satisfactory engine and inlet operation at [redacted] will clear the aircraft for high altitude/high speed flight.

25X1A9a [redacted]

Lt Col, USAF
Deputy Commander for Operations

25X1A9a [redacted]

Colonel, USAF
Commander